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30 December 2014

Jim Fleer
Oxford Environmental & Safety, Inc
14348 Nieman Rd.
Overland Park, KS 66221

RE: Arkwood Monthly Sampling
SDG Number: 1412262

Enclosed are the results of analyses for samples received by the laboratory on 17-Dec-14 10:09. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	✓
Containers Correct	✓
COC/Labels Agree	✓
Received On Ice	✓
Temperature on Receipt	3.0°C

Sincerely,

A handwritten signature in blue ink that reads "Norma James / Teresa Coins".

Norma James
President

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30 December 2014

Jim Fleer
Oxford Environmental & Safety, Inc
14348 Nieman Rd.
Overland Park, KS 66221
Project: Arkwood Monthly Sampling



Date Received: 17-Dec-14 10:09

ANALYTICAL RESULTS

Lab Number: 1412262-01
Sample Name: Mouth
Date/Time Collected: 12/16/14 11:00
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	45.9		12/22/14 12:24	A412312	8270D, Rev 4, 2007
2,4,6-Tribromophenol [surr]	%	96.5		12/22/14 12:24	A412312	8270D, Rev 4, 2007
2-Fluorophenol [surr]	%	53.8		12/22/14 12:24	A412312	8270D, Rev 4, 2007
Phenol-d5 [surr]	%	30.4		12/22/14 12:24	A412312	8270D, Rev 4, 2007

ANALYTICAL RESULTS

Lab Number: 1412262-02
Sample Name: Weir
Date/Time Collected: 12/16/14 10:30
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	< 1.00		12/22/14 12:45	A412312	8270D, Rev 4, 2007
2,4,6-Tribromophenol [surr]	%	92.1		12/22/14 12:45	A412312	8270D, Rev 4, 2007
2-Fluorophenol [surr]	%	47.5		12/22/14 12:45	A412312	8270D, Rev 4, 2007
Phenol-d5 [surr]	%	29.1		12/22/14 12:45	A412312	8270D, Rev 4, 2007

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QUALITY CONTROL RESULTS

Semivolatiles - Quality Control Analyzed: 22-Dec-14 13:06 By: TB

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A412312 - EPA 3510C MS

Blank (A412312-BLK1)

Prepared & Analyzed: 22-Dec-14

Pentachlorophenol	ND	1.00	ug/L							
Surrogate: 2,4,6-Tribromophenol	39.6		"	40.0		99.0	55.9-134			
Surrogate: 2-Fluorophenol	23.9		"	40.0		59.8	17.1-87.4			
Surrogate: Phenol-d5	15.3		"	40.0		38.3	14.7-66.9			

LCS (A412312-BS1)

Prepared & Analyzed: 22-Dec-14

Pentachlorophenol	34.7	1.00	ug/L	40.0		86.8	56-118			
Surrogate: 2,4,6-Tribromophenol	36.0		"	40.0		90.1	55.9-134			
Surrogate: 2-Fluorophenol	22.7		"	40.0		56.9	17.1-87.4			
Surrogate: Phenol-d5	16.1		"	40.0		40.3	14.7-66.9			

Matrix Spike (A412312-MS1)

Source: 1412291-02

Prepared & Analyzed: 22-Dec-14

Pentachlorophenol	68.9	2.00	ug/L	80.0	0.00	86.1	59.5-122			
Surrogate: 2,4,6-Tribromophenol	78.3		"	80.0		97.9	55.9-134			
Surrogate: 2-Fluorophenol	25.4		"	80.0		31.7	17.1-87.4			
Surrogate: Phenol-d5	26.7		"	80.0		33.3	14.7-66.9			

Matrix Spike Dup (A412312-MSD1)

Source: 1412291-02

Prepared & Analyzed: 22-Dec-14

Pentachlorophenol	66.2	2.00	ug/L	80.0	0.00	82.7	59.5-122	4.07	8.94	
Surrogate: 2,4,6-Tribromophenol	75.4		"	80.0		94.3	55.9-134			
Surrogate: 2-Fluorophenol	22.2		"	80.0		27.8	17.1-87.4			
Surrogate: Phenol-d5	26.6		"	80.0		33.3	14.7-66.9			

All Analysis performed according to EPA approved methodology when available:

SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods.

Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Reviewed by:

Norma James / Teresa Coins

Norma James and/or Teresa Coins
Technical Director and/or QA Officer

CHAIN OF CUSTODY RECORD

[illegible]